

CV: English part

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Updated: March 2018

I. Professional Activities

I.1 Publications

The Art of Gluing Manifolds, a review paper in preparation;

Nonlinear phenomena in general relativity, 2018, Eur. Phys. J. Plus 133 (2018), no.4, 147 (co-author Alireza Allahyari)

Relativistic virial relation for cosmological structures, 2016, Phys. Rev. D93 (2016), 023007 (co-authors: Reza Javadinezhad, Javad T. Firouzjaee);

Gravitational collapse in the AdS background and the black hole formation, 2016, Int.J.Mod. Phys, D25 (2016) 1650005, DOI: 10.1142/S021827181650005X (co-authors: Alireza Allahyari, Javad T. Firouzjaee);

Cosmological black holes: the perfect fluid collapse with pressure in a FRW background, Class.Quant.Grav. 32 (2015) 21, 215001, DOI: [10.1088/0264-9381/32/21/215001](https://doi.org/10.1088/0264-9381/32/21/215001) (co-authors Rahim Moradi, Javad T. Firouzjaee);

Relativistic rotation curve for cosmological structures, 2014, Int. J. Mod. Phys. D (2014), DOI: 10.1142/S0218271814500746, [arXiv:1212.4796](https://arxiv.org/abs/1212.4796) (co-authors: Mohammadhosein Razbin, J. T. Firouzjaee);

Gravitational Lensing by a structure in a cosmological background, 2013, Phys. Rev. D88 (2013) 083011
DOI: [10.1103/PhysRevD.88.083011](https://doi.org/10.1103/PhysRevD.88.083011)
[arXiv:1308.4510](https://arxiv.org/abs/1308.4510) (co-authors: M. Parsi Mood, Javad T. Firouzjaee);

A concrete anti-de Sitter black hole with dynamical horizon having toroidal cross sections and its characteristics, 2012, EPL 100 39001, [arXiv:1207.3673](https://arxiv.org/abs/1207.3673) (co-authors: P. Dadras, and J.T. Firouzjaee);

Radiation from a dust dynamical LTB black hole, 2012, EPL, 97, 29002, [arXiv:1104.0530](https://arxiv.org/abs/1104.0530) (co-author: J.T. Firouzjaee);

- Do we know the mass of a black hole? Mass of some cosmological black hole models***, March 2012, GRG, Volume 44, Issue 3, pp 639-656, [arXiv:1010.3971](#) (co-author: J. T. Firouzjaee, M. Parsi Mood);
- Asymptotically FRW black holes***, 2010, GRG, 42, 2431, [arXiv:0812.5108](#) (co-author: J.T. Firouzjaee);
- Lensing effects in inhomogeneous cosmological models***, 2009, Phys. Rev. D 79 (2009), 102002, [arXiv:0901.0340](#) (co-authors: Sima Ghassemi, S. Khoini-Moghaddam);
- Modified averaging process in GR: Case study flat LTB***, 2009, Int. Jour. Mod. Phys. D18(2009), 1177-1192, [arXiv:0709.2558](#) (co-authors: E. Kourkchi, Sh Khosravi);
- Matching LTB and FRW spacetimes through a null hypersurface***, 2008, Grav. and Cosmol., 14: 295-300, gr-qc/0702132, [arXiv:gr-qc/0702130](#) (co-author, S. Khakshournia);
- An inhomogeneous model universe behaving homogeneously***, 2008, GRG, 40:1047-1069, [arXiv:astro-ph/0702282](#) (co-authors: E. Kourkchi, Sh.Khosravi, and Y. Akrami);
- Non-linear Structure Formation and “Apparent” Acceleration: an investigation***, 2007, JCAP 12:017, [arXiv:astro-ph/0606703](#) (co-author: Tirthbir Biswas and Alessio Notari);
- Thick planar domain walls: its thin wall limits and dynamics***, 2007, Int. Jour. Mod. Phys. D, 16, 629-640, (co-authors: S. Ghassemi and S. Khakshournia);
- Evolution of thick walls in curved space-times***, 2006, Class Quant Grav, 23, 5927-5939, astro-ph/0605094 (co-author: S.Khosravi and S.Khakshournia);
- Generalized Friedman equations for a finite thick brane***, 2006, JHEP 08, 019; astro-ph/0605094 (co-author: Sima Ghassemi and Samad Khakshournia);
- On synchronization of clocks in general space-times***, 2005, Iran. Jour. Phys. Res., 5, 63 (co-author: M. R. Khajehpour);
- Spherical null shells within the distributional formalism***, 2005, Iran. Jour. Phys. Res., 5, 59 (co-author: Samad Khakshournia);
- Spherically symmetric thick branes in vacuum***, 2004, IJMP A, 19 , 4687, (co-authors: M. Borhani, S. Khakshournia);
- Dynamics of general relativistic spherical symmetric dust thick shell***, 2002, GRG 34, 1847 (co-author: S. Khakshournia);
- Formation of cosmological mass condensation within a FRW universe***, 2002, Phys. Rev. D 65, 027302 (co-author: S. Khakshournia).
- General relativistic relation between density contrast and peculiar velocity***, 2002, Int. J. Mod. Phys. D. 11, 321-33 (co-author: S. Rahvar);

Methods of gluing manifolds in general relativity, 2002, Journ.Math Phys. **43**, 1519-1535 (co-author: K.Nozari);

Dynamics of null hyper- surfaces in general relativity, 2002, GRG **34**, 243, (Co-author: K. Nozari);

Sign Function and Gluing of Space–Time Manifolds within Distributional Method, 2001, Gravitation & Cosmology **7**, 261, (co-author: S. Khakshournia);

Casimir Stress on Parallel Plates in a de Sitter Space-Time, 2001, Class & Quant. Grav., **18**, 2659 (co-author: M.R. Setare);

Casimir Effect for Spherical Shell in de Sitter Space, 2001, Class. & Quant. Grav., **18**, 2331 (co-author: M. R. Setareh);

A New Distributional Approach to Signature Change, 2000, Gen. Rel. Grav. **32**, 253-269 (co-author: K. Nozari);

A Model Universe with Variable Space Dimension: Its Dynamics and Wave-Function, 1999, Phys. Rev. D **60**, 1035XX-1-22 (co-author: F. Nasserri);

Effective Time Variation of G in a Model Universe with Variable Space Dimension, 1999, Phys. Lett. A **259**, 194-200 (co-authors: F. Nasserri, M. Khorrami);

Gravitational Coupling Constant in Arbitrary Dimension, 1998, Gravitation & Cosmology, **4**, 1 (co-author: A. Nayeri);

A Cosmological Model with Variable Dimension: Expansion as Decrumpling, 1997, I.J.M.P.D., to be published (co-authors: M. Khorrami, M. Mohazzab. And M. R. Ejtehadi);

Equivalence of Darmois-Israel and Distributional Method for Thin-Shells in General Relativity, 1996, J. Math. Phys. **37**,5627 (co-author: M. Khorrami);

A Decrumpling Model of the Universe, 1996, Helvetica Physica Acta, **69**, 237 (co-authors: M. Khorrami, M. Mohazzab);

A Test Theory of the Local Structure of Space-Time: A Finslerian Approach, 1994, Class. & Quant. Grav. **11**, 1 (co-authors: R. Golestanian, H.R.H Khajehpour)

Tunnelling in Anisotropic Cosmological Models, 1993, Class & Quant. Grav. **10**, 1353 (co-author: M. Mohazzab);

Cylindrically Symmetric Thin Walls in General Relativity, 1993, J. Math. Phys. **35** (2), 951 (co-author: M. Khorrami);

Spherically Symmetric Thin Walls, 1991, Phys. Rev. D, **44**, 557 (co-author: M. Khorrami);

Test t-Theory of Special Relativity on the Rotating Disk, 1989, Journ. Physics AA, **22**, 1589 (co-authors: G. Abolghasem and H.R.H. Khajehpour);

How to Test the Special Theory of Relativity on the Rotating Earth, 1988, Phys. Lett. A, **132**, 310 (co-authors: G. Abolghasem and M.R.H. Khajehpour);

Distribution Function of an Ideal Gas in the de Sitter Space-Time, 1988, *Class. & Quant. Gravity*, **5**, 321 (co-author: A. Rakei);

An Alternative Relativistic-Law Equation of State, 1982, *Acta Physica Polonica*, **B13**, 201;

There is no Slow Uniform Contraction of a Fluid Sphere Obeying an Equation of State, 1980, *Acta Physica Polonica*, **B11**, 193;

Some Dynamical Aspects of a Test Theory of Special Relativity, 1979, *Z. Naturforschung*, **34a**, 9233;

Broken Lorentz Invariance and Conventionality of Clock Synchronization, 1979, *Phys. Lett.* **71A**, 177;

On The Non-Existence of Time-Dependent Fluid Spheres in General Relativity Obeying an Equation of State, 1977, *Ann. Inst. Henri Poincare*, **XXVII**, 175;

A Test Theory of Special Relativity I. Simultaneity and Clock Synchronization, 1977, *GRG*, **8**, 497 (co-author: R. Sexl);

A Test Theory of Special Relativity II. First Order Tests, 1977, *GRG*, **8**, 515 (co-author: R. Sexl);

A Test Theory of Special Relativity III. Second Order Tests, 1977, *GRG*, **8**, 809 (co-author: R. Sexl);

An Exact Solution to Salam's f-g Theory of Gravity, 1973, *Acta Phys. Austr.*, **36**, 86;

Allgemein-Kovariante Zwei-Tensor Theorie der Gravitation, 1972, *Acta Physica Austriaca*, **37**, 152;

On Exact Kerr-Schild Type Vacuum Solutions to Salam's Two-Tensor Theory of Gravity, 1972, *Comm. Math. Phys.* **26**, 301;

Generally Covariant Massiv Gravitation, 1972, *Nuovo Cimento* **10B**, 483 (co-author: P.C. Aichelburg);

Exact Wave-Type Solution to f-g Theory of Gravity, 1971, *Phys. Rev. Lett.* **27**, 1533 (co-author: P.C. Aichelburg, H.K. Urbantke);

I. 2 Citations / Famous Papers (i.e. more than 700 citations)

The three papers *Test Theory of Special Relativity* I, II, III have been cited more than 700 times;

C. Laemmerzahl elaborate extensively on the Mansouri-Sexl test theory in *Special Relativity: will it survive the next 101 years*, J. Ehlers and C. Laemmezahel (editors), Springer, Brerlin, 2006;

One chapter of Cl. Will's book (*Theory and Experiment in Gravitational Physics*, Revised Edition, Cambridge University Press, 1992) is devoted to the Mansouri-Sexl Test Theory of Relativity;

The review article "Phys. Report, 298 (3 & 4) 93-180, 1998" describes extensively the "Mansouri-Sexl Test Theory";

Nature's editorial, *How Special is Special Relativity*, J. Maddox, (Nature, 7 Feb. 1985, 313, p. 429) is devoted to this test theory; See also Test Theories of Special Relativity in Wikipedia (German and English).

I. 3 Books / Book Chapters

International Cooperation for Enhancing Nuclear Safety, Security, Safeguards and Non-proliferation, Proceeding of the XIX Eduardo Amaldi Conference, Academia Nazionale dei Lincei, Rome, Italy, March 30-31, 2015, Luciano Maiani, Said Abousahl, and Wolfgang Plastino (editors). Springer 2015, Session chairman, p. 77.

"Special relativity" (in Persian), R. Mansouri, Sh. Khosravi, Sharif University Publishing, Tehran, 2010/1389;

Workshop on The Future of Physical Sciences in Iran and the Region", F. Ardalan, G. Violini, R. Mansouri (Eds.), ISMO-UNESCO-IPM, Tehran, 2000;

Large Scale Structure of the Universe", R. Brandenberger, R. Mansouri (Eds.), Kluwer Academic Publishers, 2000;

Michelson, Lorentz, Poincare', Einstein", in *Relativitaet, Gruppen, Teilchen*, "by H. Urbantke and R.U. Sexl, Springer Verlag, 1975;

Die Synchronization von Uhren," in the same reference as above;

Relativistische Hydrodynamic", in the same reference as above.

Schroedinger's Contribution to Relativity", in *the Schroedinger Equation*, Eds W. Thirring, P. Urban, Springer Verlag, 1977.

I. 4 Invited Presentation

ICTP-Colloquium, *Test Theory of Special Relativity: What it is and Why We Need it*, 1988, ICTP, Trieste.

I. 5 Book Review

Force and Geometry in Newton's Principia, by Francois De Gandt, 1996. *Gen. Rel. Grav.* **28**, 1029.

I. 6 Contributed Presentations / Published Proceedings / Technical Reports

[arXiv:1304.5062](#) [[pdf](#), [other](#)]

Title: Exact general relativistic lensing versus thin lens approximation: the crucial role of the void
Authors: [M. Parsi Mood](#), [Javad T. Firouzjaee](#), [Reza Mansouri](#)

[arXiv:1301.1480](#) [[pdf](#), [ps](#), [other](#)]

Title: The spherical perfect fluid collapse with pressure in the cosmological background
Authors: [Rahim Moradi](#), [Javad T. Firouzjaee](#), [Reza Mansouri](#)
Subjects: General Relativity and Quantum Cosmology (gr-qc); Galaxy Astrophysics (astro-ph.GA)

Structured FRW universe leads to acceleration: a non-perturbative approach, astro-ph/0512605;

"On the Thin Wall Limit of Thick Planer Domain Walls", 2005, Submitted to Gravitation and General relativity, gr- qc/0505073
(Co- author: Sima Ghassemi, Samand Khakshournia);

Casimir Energy for Self-interacting Scalar Field in a Spherical Shell, 2002, hep-th/0201213 (Co-author: M. Setare);

Casimir Action for Self-Interacting Scalar Field in 3-Spherical Shell, 2002, hep-th/0201213 (Co-author: M. Setare);

Junction Equations for Two General Spherically Symmetric Spacetimes and the Distributional Method, 1999, hep-th/ 9911076
(Coauthor: S. Khakshournia);

Application of Colombeau's Generalized Functions to Cosmological Models with Signature Change (Co-author: K. Nozari).
Proceeding of ISMC, Potsdam, March 30-April 4, 1998, M. Rainer and H.-J. Schmidt (Eds), World Scientific PC, Singapore;

Rotation of Plane of Polarization of an Electromagnetic Wave Propagating over Cosmological Distances in "Finite Rotating Universe" Scenario, gr-qc/9710028. (Coauthor: K. Nozari). Paper presented at the seminar "Kosmische Rotation". Berlin 1998;

Rotation of Plane of Polarization of an Electromagnetic wave Propagating over Cosmological Distances in "Finite Rotating Universe" Scenario, Abstracts of Contributed Papers, 1997, Pune, India;

Distributional Approach to Signature Change, Abstracts of Contributed Papers, GRI5, Pune, India;

Wave Function of a Decoupling Model of the Universe, Abstracts of Contributed Papers, GRI5, 1997, Pune, India;

A new Class of Inhomogeneous Cosmological Solutions of Einsteins Equations, Preprint, Potsdam University, Math. Inst., 1996;

Equivalent Lagrangians and Quantization, Preprint, Potsdam University preprint 96/4, Math Inst., May 1996 (co-author: Sh. Khosravi);

A New Class Of Inhomogeneous Solutions, Abstracts of Contributed papers, Intern. Symposium on Cosmology, Madras, India, 1994;

Cylindrically Symmetric Thin Walls, Abstracts of Contributed Papers, Intern. Conf. On Grav. & Cosmology, Ahmedabad, India, 1991;

Gravitational field of Static Domain Walls, Sharif University of Technology Report, 1990;

Equivalence of Transport- and Radar Synchrony in General relativity. Abstracts of Contributed Papers, GR12, 1989;

Test Theory of Special Relativity: What It Is and Why We Need It, 1988, ICTP Internal Report, IC/88/55;

Distribution Function of a Collisionless Gas in the Most Symmetric Space - Times. Abstracts of Contributed Papers, Intern. Conf. On Grav. & Cosmology, Goa, India, 14-19 Dec. 1987;

Introduction to Cosmology, Paper Presented at Spring School on Cosmology, Amir-Kabir University of Technology, Tehran, Iran, 1986;

Distribution Function of a Dilute Gas In de Sitter Space-Time, Abstracts of Contributed Papers GR11, 1986;

Finite Fluid Spheres are too Rigid to be Perturbed. Abstracts of Contributed Papers, GR9, Vol. 2, 1980;

Alternative Two-Tensor Theory of Gravitation. Abstracts of Contributed Papers, Topical Meeting on Gravitation and Field Theory, 13-16 July, 1971, ICTP.

I.7 Honors /Awards

"Dr. Amin's Lifelong Achievement Award" given by SUTA (Sharif University of Technology Association), 2014.

Associate Member, Academy of Persian Language and Literature, 2011/1390;

***spicilia mansourii* Sohrabi, sp. nov.** (Fig. 00) Mycobank MB 518502; IRAN: Golestan National Park, Mirzabaylou towards Almeh valley; 37°21'N, 56°12'E, 1300 m; May 2008, Sohrabi & Ghobadnejhad 15077 (holotype IRAN; isotypes H, TARI, hb. Sohrabi MS015088).

Etymology: The species is named in honor of Reza Mansouri, Iranian physicist who made significant contributions to the development of science in Iran.

PHOTOTAXA, 2010. See also:

<http://hundrednewlichens.lifedesks.org/pages/531>

Member, TWAS council, 2007-2010;

Fellow, the Academy of Sciences for the Developing World (TWAS), 2000;

Alexander v. Humbolt Fellow, Oct. 1995 - Oct. 1996;

Recipient of the prize for scientific periodicals from the Ministry of Culture and Guidance for publication of the Iranian Journal of Physics, 1994;

Recipient of "honorable mention" for the paper "Cylindrically Thin Walls in General Relativity" from Gravity Research Foundation, 1993;

Member, Academy of Sciences of I.R.I., 1992;

Alexander v. Humbolt Fellow 1978-79;

Abdus-Salam Prize for Iranian Scientists, 1989;

Associate Member of ICTP, 1987-1993.

I. 8 Editorial Activities

Chief-(and Founding-) Editor, *Science Communication Quaterly* (Persian quarterly), 2012-;

Chief-Editor: *Rahyaft* (Science Policy Quaterly), NRISP, Tehran, 2005-2007;

Chief-Editor: *Bulletin of Research and Technology* (in Persian), Ministry of Science, Research and Technology, 2001-2006;

Founding- and Chief-editor: *Daneshgar* (in Persian): an Iranian Popular Journal for Science and Technology, 2001 -2006;

Director: Motoon Institute, 1998-2000

Founding editor: *Iranian Journal of Physics Research* (IJPR). Founded: 1995-;

Referee of: *Mathematical Review*;

Referee for: *Classical and Quantum Gravity*, Journal of Physics A, Physics Letters A, Foundation of Physics;

Member: Editorial advisory Board, *Rahyaft* (Science Policy Quaterly), NRISP, Tehran, since 1992;

Founder and Member of the Editorial Board: *Nojum* (in Persian): An Iranian Journal of Astronomy since 1991;

Founder: *Iranian Journal of Physics* (in Persian), 1983-2010;

Editor-in-chief: *Iranian Journal of Physics* (in Persian), 1983-2010;

Member: Editorial Advisory Board, *Iranian Journal of Mathematics* (Nashr-e Riazi).

I.9 PhD-Theses Supervised

Alireza Allahyari, 2018: *Non-linear Effects in General Relativity*;

M. Parsi-Mood, 2013: *Gravitational Lensing in a Cosmological Background*;

J. T. Firoozjaee, 2012: *Cosmological Black Holes*;

E. Kourkchi, 2011 (co-advisor);

S. Ghassemi, 2005: *Topics in Brane Cosmology*;

S. Khakshournia, 2002: *The Most General Distributoidal Formulation of Gluing Space-time Manifolds and its Applications*;

S. Rahvar, 2002: *Microlensing and relativistic relation between peculiar velocity and density contrast*;

M. Setare, 2001: *Casimir Effect and Cosmology*;

K. Nouzari, 1999: *Application of Coloumbeau Algebra in Gluing Manifolds within GR*;

F. Nasserri, 1999: *Model Universes with Variable Space Dimensions and their Cosmological Consequences*;

M. Khorrami, 1993: *Formulation of Discrete Space-Time Physics*;

M. Mohazzab, 1993: *Topics on Modern Cosmology*.

I.10 Organizational/ Synergistic Contributions

Member, Council of IPM School of Particle Physics and Accelerators, 2011- ;

Organizer, INO workshop on Instrumentation and Foci- Aug. 30- Sep. 1, 2008;

Organizer, INO workshop on Science Case- March 12-14, 2008;

Organizer, INO workshop on Site Selection- Aug. 18-21, 2007;

Organizer, IPM School and Workshop on Gravitational Weak Lensing and Photo-z Techniques- April 22-28, 2009 (ISWLP09);

Organizer, IPM School and Workshop on Optical Data Reduction- Oct. 11-20, 2008 (ODRW08);

Organizer, IPM School and Workshop on Weak Lensing and Photo-z Techniques- July 2-8, 2008 (ISWLP08);

Organizer, IPM School and Workshop on Gravitational Lensing Techniques- March 8-11, 2008 (ISGLT08);

Organizer, IPM School and Workshop on Gravitational Lensing Techniques- Jan.9-11, 2008 (ISGLT07) - Part II;

Organizer, IPM School and Workshop on Gravitational Lensing Techniques- Nov. 24-29, 2007 (ISGLT07) - Part I;

Organizer, IPM Cosmology School and Workshop- June 2-9, 2007 (ICSW07);

President, Iranian Association for Popularization of Science, 2008;

Iranian National Observatory (INO) project director, 2007-;

Chairman, School of Astronomy and Astrophysics, IPM, 2007- ;

Member, GRG Committee 2007-2013;

Member, TWAS council, 2007-2009;

Member, IPM Council, 2007- ;

Member, Council of IPM School of Physics, 2007- ;

Member, Reviewers Committee, Center for Special Studies and Programs (CSSP), Egypt, 2005- ;

Member, Higher Council for Science, Research and Technology, Tehran, 2005- 2008;

Member, Astronomy and Space Science Committee, TWAS, 2005- ;

Member, International Advisory Committee, World Conference on Physics and Sustainable Development, Durban, Oct 31- Nov 2, 2005;

Member, SESAME International Council 2004- ;

Chairman, Iranian National Observatory (INO) Steering Committee, 2004- ;

Member, International Coordinating Committee of the Marcel Grossmann Meetings on General Relativity;

Director, ISMO, 2003 -2005;
Chairman, SESAME Training Committee, 2002 – 2006;
Member, SESAME Council, 2003 - ;
Vice- President, Council for Research & Technology, Ministry of Science, Research and Technology, 2002 – 2005;
Chairman, commission for basic sciences, Khawrazmi youth prize, 2001-2004;
Member, board of referees, Khawrazmi international prize, 2001-2004;
Chairman, commission for basic sciences, Khawrazmi international prize, 2001-2004;
Under- Secretary of State for research, Ministry of Science, Research and Technology, 2001- 2005;
Director, National Research Institute for Science Policy (NRISP), 2001-2004;
Chairman, Coordinating Committee for Iran's contribution to CMS detector of LHC at CERN, 2000- 2006;
Co-Chairman, Training Committee, SESAME (Synchrotron Light for Experimental Science and Applications in the Middle East), 2000 – 2002;
Member, International Interim Council of SESAME, 1999 – 2003;
Director, International Scientific Meetings Office, Iran, Ministry of Culture and Higher Education, 1999 – 2002;
Member, Council for International Scientific Cooperation, Ministry of Culture and Higher Education, 1999-2004;
Member (Life-), International Society of General Relativity and Gravitation;
Member, Austrian Physical Society;
Member, the Physics Society of Iran;
Member, International Astronomical Union;
Member, the Astronomical Society of Iran (Founding member);
Associate Fellow, ICTP 1988-1993;
Co-Chairman, Abdus-Salam Prize for Iranian Scientists;
President, the Physics Society of Iran 1984-1989, 1992-1996, 2000 – 2005;
Organizer, Annual Iranian Physics Conference 1984-1989, 1992-1996, 2000-2005;
Chairman, Department of Physics, Sharif University of Technology 1983-1985, 1991-1993;
Member, Iranian Research Council 1988 – 2003;
Member, Board of Trustees of the Academy of Sciences of the Isl. Rep. of Iran, 1992-1995;
Chairman, Commission for Basic Sciences of the Iranian Research Council 1989 – 2003;
Chairman, Commission for Earthquake of the Iranian Research Council 1991-1994;
Member, Higher Council of the Center for Science and High Technology, Kerman (Iran), 1992-1994;
Director, Bureau for International Workshops, Ministry of Culture and Higher Education, 1993-1994.

II. Other Activities

II.1 Science Management and Consulting

Consultant to the deputies for research at the Ministry for Science, Research and Technology of Iran (MSRT) from 2008-2109;
R&D Consultant to the Arian Saeed Industrial Holding, Tehran, Iran;
Founder director of the Saeedi Institute for Advanced Studies (SIAS), Kashan, 2016-;

Consultant to the president of the University of Kashan. 2014- ;

Deputy for research, Ministry of Sciences, Research and Technology of Iran (MSRT), 2001-2005;

Scientific Consultant, Kish Free Zone Organization, 2000-2002;

Many one-day talks and consultations at different universities within Iran, almost once a month in the last 15 years.

II. 2 Organizational and Editorial Contributions

Member, Board of Trustees of the National Museum of Science and Technology of Iran, 2019- ;

Member, Board of Trustees of the University of Kashan, 2018- ;

Member, Board of Trustees of Research Center for Microelectronics, 2005-2007;

Member, Board of Trustees of Institute for Theoretical Physics and Mathematics (IPM), 2005-2007;

Member, Board of Trustees of Persian Gulf Biotechnology Research Center-, 2002-2006;

Member, Council for the Advancement of Science in Iran - 1400 (Iran-2021), 2001-2003;

Member, Scientific Council of Persian Great Encyclopedia, 1999-2002;

Member, Higher Council of Iranian National Library, 1999-2006;

Member, Council for Science and Technology Planning, Third 5-Year Economic Development Plan of Iran, 1998-1999;

Member, Council for Terminology, Academy of Persian Language and Literature, Tehran, 1997- ;

Founding Director, Center for Translation and Publication of (Classical) Books-MOTUN-, 1996-1998;

Member, Council of IUP, 1984-2004;

Head, Physics Group at IUP 1980-1993. (IUP is a governmental organization responsible for publishing high quality and best edited university text books);

Member, Physics term-selecting committee at IUP, 1980-1993;

Deputy Director, IUP, responsible for editorial section, 1985-1992;

Regional Editor, Info term (International Information Center of Terminology), Vienna, Austria;

Member, Board of Trustees of the Public Libraries of Iran, 1991-1995.

II.3 Science Popularization

Chairman, Saeedi Foundation for Elite Entrepreneurs (SaFEE);

Founding- and chief-editor of *Science Communication Quarterly* (in Persian). 2012- 2018;

Founding- and chief-editor: *Daneshgar* (in Persian): an Iranian Popular Journal for Science and Technology, 2001-2005;

Chairman, Scientific Committee of Tehran Museum of Science, 2001-2002;

Member, Board of Trustees of Tehran Museum of Science. 2001 – 2002;

Physics without Physics (in Persian): Physics for liberal arts, P.S.I. Publishing, 2001;

Founding Member, Society for Dissemination and Popularization of Science in Iran, 2000;

Chairman, National Council for Millennium Eclipse, 1999;

Popular book on cosmology called "*Falak-Ra-Saghf*", Tarh-e No Publishing, Tehran, 1999;

Initiator and member of the prize committee for "Kish Prize for Popularization of Science", 1997-2002;

Science Center in Iran: a detailed study, 1994-5. The project involved 25 experts in all area of science, technology, and education and was administered by the PSI for the Tehran Municipality;

Museum of Islamic Science: a detailed study for Tehran Municipality, 1994-5;

Almost Regular interviews with radio and television of any recent scientific event;

Numerous Public Lectures in different media, high schools, and colleges in the last 35 years;

A Series of 10 radio broadcasts within 2 weeks in 1993 on "the Role of Terminology and Scientific Language in the Economic Development";

A Series of 25 radio broadcasts within one month of Ramadan in 1991 on Cosmology;

President, Council for Research and Technology Planning, Fourth 5- Year Economic Development Plan of Iran, 2003.

II.4 Projects carried out

An investigation on the accuracy of concepts introduced in Iranian non-text scientific books, written for pre-school and first years of primary school children, 2001-2002. Project carried out for the Ministry of Education;

Compilation of standards for National, Regional, and International conferences in Iran, 2001-2002. Project carried out for the Ministry of Sciences, Research and Technology;

University as a Center of Excellence or Island of Quality, 2000-2001. Project carried out for the Ministry of Science, Research, and Technology, Tehran;

Museum of Islamic Science: a detailed study for Tehran Municipality, 1994-5;

Science Centers in Iran: a detailed study, 1994-5. The project involved 25 experts in all area of science, technology, and education and was administered by the PSI for the Tehran Municipality;

Terminology Work in Iran and the World, Academy of Persian Language and Literature, 1993-4.

II.5 Translations (into Persian)

Relativity: Special, General, and Cosmological, by W.Rindler, Springer Verlag, 1983, second edition. Published by IUP, 1997;

Weisse Zwerge-Schwarze Loecher (White Dwarfs and Black Holes), by R. Sexl, ISUP 1981. Second edition, 1991;

A Shorter course in Theoretical Physics, Vol. 1, Mechanics & Electromagnetism, by Landau & Lifshitz, IUP 1985;

Assumption and Myth in Physical Theory, by Herman Bondi, Sharif University Press, 1979.

II.6 Publications/ Contributions

Physics Now, in A World of Science in the Developing World, Nature Supplement on the occasion of TWAS 25th anniversary 2008, p.38;

Broken Promises or Promises in Vacuum, Archives of Iranian Medicine 2008; 11 (5): 559-560;

How an Obsolete Concept of Science Impedes the Development of Islamic Countries: The example of Iran, APS Forum on International Physics, December, 2007;

Science in Islam: Which Way Forward, News from ICTP, Autumn2006, No. 118;

A conversation with Dr. Reza Mansouri, Council of Foreign Relations, Washington, DC, September 14, 2006;

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Terminological Planning: An Iranian Experiment, 1996, International Congress on Terminology and Knowledge Engineering, Vienna, 26-29 Aug;

Terminology Work in Iran and in the World, 1995, Research Project Carried out for the Academy of Persian Language and Literature, (Project leader);

Standardization of Physics Terms in Persian, 1987, Contributed Papers, International Congress on Terminology and Knowledge Engineering, Trier (FRG), Sept. 29- Oct. 3;

Standardization and Term Selection at IUP, 1986, Journ. Int. Network for Termin. (Term Net), 15, 4;

Gebets-und Fastenzeiten fuer Oesterreich, 1968, Islamische Iranische Studentengemeinschaft in Wien, Vienna, Austria.

II.7 Books

Architecture of Science in Iran (in Persian), 2018, Publication of Cultural and Social Research Institute, Tehran.

Iran in Future, viewpoints of three scholars: Ashayeri, Ghaninejad, and R. Mansouri, Tehran, Dibayeh Publishing, first printing 2007 /1386, second printing 2010/1389, third printing 2015;

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Physics without Physics, (in Persian): *Physics for Liberal arts*, 2001, PSI Publishing;

Iran 1427 (2050): National Determination for Scientific and Cultural Development (in Persian), 1994, Tarh-e-No Publishing, Tehran, second printing 2000, second edition and seventh printing 2006;

Falak Raa Saghf (in Persian), a popular book on cosmology, 1999, Tarh-e-No Publishing, Tehran;

Scientific Development of Iran (in Persian), 1994, UNESCO Publication, Tehran;

English-Persian Dictionary of Science and Technology, 1994, chief-editor, IUP, Tehran;

English-Persian Dictionary of Physics, chief-editor, IUP, Tehran 1987, second edition 1998.

II.8 Invited talks/ lectures

COMSTEK, Islamabad, *Training Course on Science, Technology & Innovation Policy*, 6-24 April, 2009;

NAS, Washington, *Sustainable Development in the Moslem World Needs Excellence in Science and Technology: Iran as a case study*, September 13, 2006, invited by AAAS, Center for Science, Technology and Security Policy;

MIT, Boston, *Science in Iran: Status Quo and its Future*, Sept. Sept 11, 2006; invited by ISG;

Stanford University, Center for Iranian Studies, *the Concept of Science in the Moslem World*, Sept. 15, 2006, invited by ISG;

University of Toronto, *the Role of Excellence in the Future of Science in Iran*, May 23, 2006, invited by Knowledge Diffusion Network.

III. Bio data

1. Date of birth: 8 January 1948

Place of birth: Tehran/Iran

Nationality: Iranian

2. Education:

Primary School: Schariat School, Tehran, 1954-1959.

High School: Rahnamaa High School, Tehran, 1959-1965.

University: University of Vienna, Ph. D. In Physics and Astronomy, 1965-1972.

3. Scientific Employment and Academic Responsibility:

INO project director, IPM, 2007-

IPM School of Astronomy, Chairman, 2007- 2011

McGill University, Department of Physics, July 2005-August 2006, on sabbatical leave.

University of Potsdam, Germany; Oct. 1995- Oct. 1996, Alexander von Humboldt Fellow.

Sharif University of Technology, Iran, Chairman, Department of physics 1983-1985, 1991-1993.

Sharif University of Technology, Iran, Professor of Physics 1989-.

Vienna University, Institute for Theoretical Physics, September 1986-October 1987, on sabbatical leave.

Sharif University of Technology, Iran, Associate Professor 1979-1989.

University of Cologne, Germany, 1978-79, Alexander von Humboldt Fellow.

Vienna University, Austria, Assistant Professor 1972-1977.

Sharif University of Technology, Faculty, 1979- Present